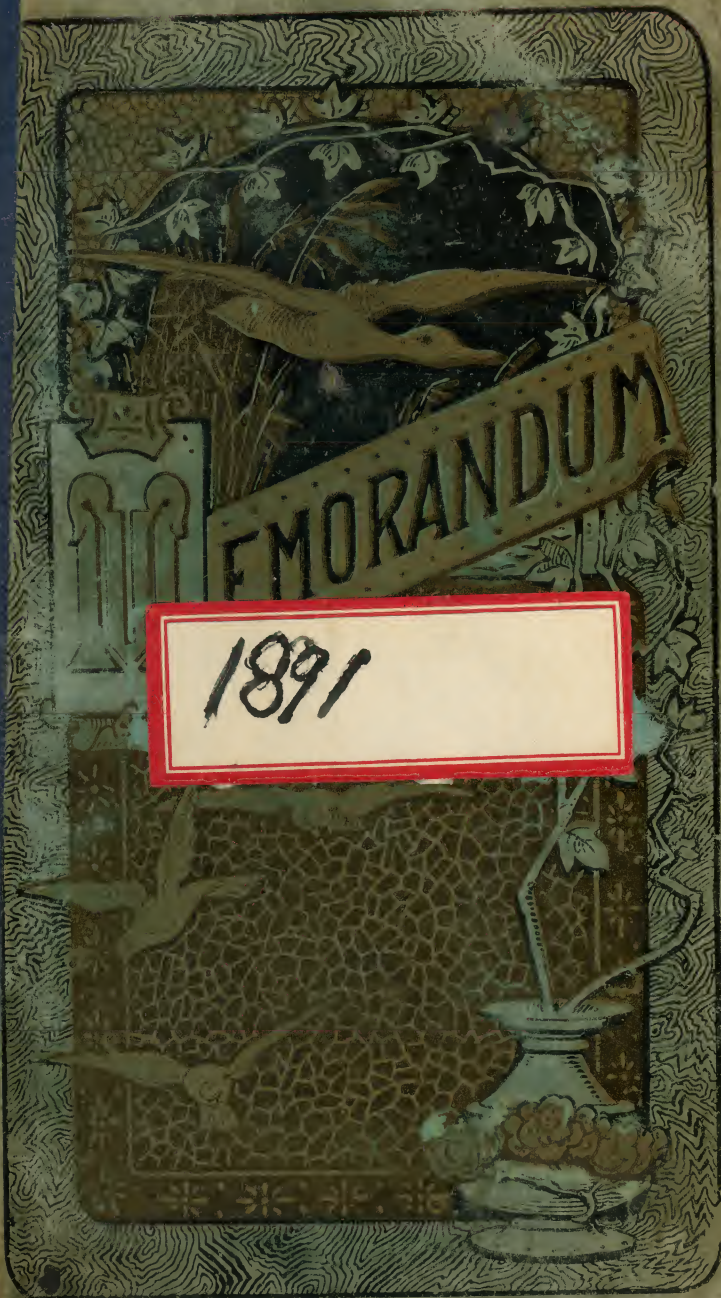


1891

MEMORANDUM



*F. Stephens,*

SANTA YSABEL,

CAL.

4/15

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(3)

July 3rd 1891

Started from San Bernardino at 12-30 P.M. and camped for the night at Vincents, in the lower part of the Cajon Pass 15 miles. Not much change on the route, except that at "Martins" a very large barn has been built, which bore the legend "Elin Helen Farm". Quite warm at noon, - a little north wind later. Roads good. Some meadow larks were in song.

4th

Cloudy in the morning, afternoon fair. Saw a *Myadestes* in the Pass. Drove to Victor 30 miles.



5th

45-  
35-

8  
8

Cloudy most of the day  
with ~~light~~ two or three light  
showers. Wind rather cold,  
Got water about 3 P.M. at  
Stoddards Well. We had  
expected to get hay here,  
but the house was torn down  
and no one was living  
there, so we drove about  
ten miles further and found  
a little granger. 28 miles

6th

Reached Daguerre at 11 A.M.  
Clear day, Warm, but  
the wind got strong toward  
night. Had to wait  
for freight that had  
not come on time, 7 m.  
Hear a H. lecontei singing just  
before sunrise, but a movement of  
my horse frightened him away  
and I did not find him.



50  
8

7th.

Laid in camp waiting  
for freight from San Bernardino  
which was delayed. Wind very  
high. Loaded cartridges &c  
and looked for birds &c but  
found very little.

8th

The delayed freight got in  
at noon. Drove to Hanley's  
in the afternoon, 8 miles.  
Cold north wind most  
of the day. Ther. now  
(8 P.M.) is 26°.

9th

88  
49

137  
20

Drove to Garlic Spring  
27 miles, Abundance of  
gyatta the last four  
miles. Fine day, very  
cold in the morning.  
Ther.  $8^{\circ}$  at sunrise.  
Below Garlic Springs is an  
abundance of gyatta and  
bunch grass, sand grass

10th

Drove about 22 miles and  
made a dry camp  
6 or 8 miles from Garlic Spy  
just before reaching a dry  
lake passed gyatta, all  
that was seen during the  
day. Passed over a high  
granite ridge. Shot two  
H. leontis

Passed *gyatta* in a mile  
or so after starting, and  
a very little just this side  
of the summit above Cave  
Spring. A mile or two above  
Cave Spring were a very  
few *gyccas*, different from  
any I know, a more  
delicate or perhaps deformed  
form of the large  
species above Victor. One  
was about 12 feet high,  
much branched, with  
smaller leaves than *perri-  
folia*. The species was com-  
moner higher on Cave Mt.  
Reached Eurologa Spring  
about 4 P.M. Filled for  
grass. A few ducks in  
the pond. 20 miles



12th

157  
26

Bad roads in the  
forenoon, Very dark wind  
for about two hours.  
Reached the Amargosa  
Borax Works at dusk  
20 miles.

13th

Arrived at Resting Spring  
about 9-30, 6 miles,  
Found Dr Fisher and  
Mr Bailey in camp.  
Set out a line of traps  
in the afternoon, Shot a  
Yellow head tit, Saw a  
H. lecontei, This appears  
to be a good mammal  
locality, Ther 14° in the  
morning.

157  
26

183  
12

14th

Cloudy part of the  
day, and windy in  
the afternoon

15th

A little rain,

16th 17th

Cloudy,

18th

Rain most of the  
day.

19th

Drove to 12 mile

Spring, in the morning  
Set out some traps  
in the mt. east in P.M.  
Saw mountain sheep  
tracks.

20th

195

Clear and warm,

21st.

Cloudy with a little  
rain in the afternoon,

22nd

Rained all night and  
until the middle of  
the afternoon,

23rd

Rained all last night  
and about midnight the wind  
got strong and the  
soft ground let the tent poles  
sink and the frame pulled  
up so that we let the tent  
down and sat up while  
they crawled under the  
prostrate tent and we



195  
12

did not get more than  
one hour or so of sleep in  
all night. This morning  
we had to unload the  
wagon to get it out on  
the hard road. For a  
mile or so the road was  
bad but the remainder  
of the way was sandy.  
Hard rain part of the  
forenoon, but toward noon  
it stopped, and gradually  
it cleared up. Strong  
wind all day. Camped  
at the left of the next  
valley, in a cave 10 x 10 in  
the rocky joint, on the  
lee side. Rode across the  
valley to Mr Palmers camp  
and got some grain. Had  
a stream <sup>(storm night)</sup> to ford to get there.

24th

207

Fair day, but high winds.  
As there was considerable  
signs of small mammals  
I was disappointed to find  
only one *Didodomys* and two  
*Hesperomys* in the 25 traps  
I had out.

25th

Had mine in my traps  
this morning. Rode over  
to Mr Palmer's camp and  
got some grain for the  
horses.

26th

Drove on about three miles  
and camped. Found  
some bunch grass in  
the hills and turned  
the horses loose on it.  
Saw tracks of a wild  
cat around the meadow.

210  
15

27th

Drove to the old rock house in Fish Meadows, 15 miles. There is a large warm spring here, which contains fish. Seems to be a fair collecting locality. Saw a small Dipodomys run around behind the wagon and into another hole. This forenoon I saw very swift, and carried its tail high, showing the white brush very plainly.





28th

Very windy, and threatening rain.

29th

Slight sprinkle last night  
Fair today.

2nd

Clear.

3rd

Clear and warm. Walked over to the other camp. Near Watkins' place is a very large spring, flowing 300 or more inches of water. It is a pool say 40 feet across and a dozen feet deep. It is not so warm as the springs here, which run  $90^{\circ}$  to  $92^{\circ}$ .

225  
18

4th,

Clear and warm,

5th,

Started for Goose Spring  
Waited at noon or more  
at Mr Palmers camp for  
him to come in, Passed  
Birds place at noon,  
camped about 10 miles  
from Birds, in the edge  
of the sand grass, with  
a rain in the night,  
which was snow a little  
higher, 18 miles,

6th,

The ground was wet and  
wheeling bad At noon the  
few old wagon tracks we  
had been following scat-  
tered out, and as they were  
not going in the direction  
we had been told to

lake I struck out for  
 the pass at the west end  
 of Table Mountain. Stopped  
 half a mile below the top  
 of the pass and walked  
 up to the summit. As  
 I could see no sign of  
 the spring or any other  
 marks or Indian trail,  
 which I was told would be  
 leading over the pass to the  
 spring, I went no further.  
 There was small patches  
 of snow around camp and  
 we melted snow to water  
 the horses. Pulled enough  
 grass to do the horses over  
 night. Grass is quite  
 scarce this high.



7th.

Thurs. 20° at sunrise,  
North wind most of the  
day. Clear and snow  
nearly gone.

8th

Went to the top of  
Table Mountain. Saw  
tracks of a cottontail in  
the snow on the plateau  
of top. The depauperate  
form of *Yucca brevifolia*  
was very abundant on  
the plateau. From  
the plateau I got the  
following bearings by  
pocket compass, magnetic  
Telescope Peak of Panamint  
Mts. S. 41° W. Sand hills  
and Boundary Pass? W. 24° S.  
Highest peak of Charleston  
Mts. S. 54 E

9th

25-6  
25

Wrote a letter to Ralph.

10th.

Drove back on the road about nine miles and camped in the best good grass. Pulled a lot of sand grass to take along.

11th

Camped at "Birds" place.

12th.

Drove into Watkins and found that George (teamster) had come horseback and reported that his wagon was stuck in the mud at Coyote Hole and the team in Daggett in the livery stable. Mr. Palmer left with the reporters team for Daggett some day.

275  
411

13th

Drove 89 miles N.W. and  
camped in sand grass, a  
dry camp,  
14th

Reached the lower water  
at Oasis Valley just before  
sunset, 22 miles. It was  
36 miles between waters, and  
a dragging road - not very  
bad, but slow to get over.

15th

Kept pretty busy skinning  
&c. This is a fair collecting  
ground. Got a Thomomys  
l. confusus, T. furcillid  
us having been the form  
taken heretofore. Also got  
a short-tailed Hesperomys.  
The topographer, Mr. Dick-  
man has not got in yet.  
Probably his horse delayed out.



17th

27/9

Mr. & Mrs. [unclear] are not  
having come, I gave him up  
and moved two miles up to  
Stockton's house,

18th

Started for the Grapewine  
Mts. Found it about 8 miles  
to Longstreet, in the [unclear] part  
of Oasis Valley. The valley  
is well watered, by springs,  
and is alternately stretches of  
alkali and salt grass.  
It is  $\frac{1}{2}$  to one mile wide.  
The hills bordering it are  
barren, and altogether it  
is far from an "oasis".  
Made a day camp nine  
miles from Longstreet. From  
5 to 6 o'clock snow and rain  
alternated with high wind.  
Very uncomfortable night.

335  
10

19th.

Got as far into the canon  
as we could well get by  
two o'clock. No wagon has  
been over the old road  
for a year, and it is  
badly washed out. Rode  
up about a mile further  
and found a little spring  
where I watered the horses.  
Though there is plenty of  
snow there is no running  
stream here.

20th

Packed down a keg of  
water when I took the horses  
to water. Shall have to  
pack down a keg a day  
to get enough ahead to  
make the dry drive when  
we leave here. My throat  
is very painful, shall lose the mile

22nd

50

Nearly two inches of  
snow fell toward night.  
Fixed up a shelter against  
a cliff with the tent and some  
brush.

23rd.

The ground got bare in  
the valley by night. Enough  
snow water and filled  
everything that would  
hold water.

24th.

Went to the top of the  
mountain to get a view  
of the country. The main  
part of the valley was  
in full sight, running directly  
away south. The greater  
part appeared covered  
with alkali. Could  
see but a little of



248  
Murgant Valley on acct  
of intervening mountains,  
to the S.W. I could see it  
through a cañon, probably  
five miles distant. The  
day was very clear and  
the view was good.  
In the N. S. W. <sup>to the</sup> Mt. Whitney  
stood looking over the  
southern end of the Inyo  
Mts. The latter range is  
heavily covered with snow  
and extended into the  
N. W. until hidden by  
near mountains, I fancied  
that some of the higher  
peaks were the Sierras  
that lie not far beyond  
the Inyo <sup>Sierras</sup> range. In the  
S. W. the ~~Cerro~~ <sup>Bow</sup> Bowditch Mts  
looked less rugged

than their neighbors. The  
Laramie Mts showed up in  
the S.S.W., while due south  
Tibetian Peaks crowned the  
Pomona Range which  
was seen endwise, across  
Mesquite Valley a rough  
range carrying snow in  
one place to the west, barred  
the road to Independence,  
The Funeral Mts in the  
S.E. did not look at all  
high. In the E.S.E. the  
Charleston Mts loomed  
up grand as ever. Their  
highest peak must go  
above timber line.

In the far east well toward  
a hundred miles away  
rose a long and very  
high range. I don't

know what it can be  
 In the S.E. I could see a  
 smoke, probably of burning  
 grass at "Birds" place (Halls  
 in Ash Meadows, It must  
 be 50 miles away air line,  
 it is 70 by the road.  
 In the same direction in  
 the foreground I could see  
 that there is a practicable  
 pass to get from camp  
 to the east end of Boundary  
 Pass, without going around  
 by Oasis Valley. If I had  
 a horseman along to  
 prospect for water I would  
 try it as it would save  
 two or three days travel over  
 the Shoshone Mill route.  
 From the east around  
 to the north a plain



long beyond the foot hills,  
 In it was a large dry lake  
 at least ten miles long.  
 Beyond the ~~lake~~ the plain  
 rose in steps, that in a few  
 places in the far distance  
 rose to snow-covered ranges,  
 From the N. to N. W., Grapewin  
 Peak hid the view.  
 It must rise to nearly ten  
 thousand alt. These Grapewin  
 Mts are pretty well timbered  
 with fir, with a cedar  
 like shrub scattered through.  
 At the lower limit the  
 juniper replaces the fir,  
 As is usual in fir  
 forests birds and animals are  
 scarce. So far I have taken  
 four species of mammals  
 and seen signs of four more

345-  
20

I have noted 19 species  
of birds, most of them  
but one or two each,

26th,

In the afternoon we pulled  
down about five miles  
and camped,

27th,

Had a small "black-salt" of  
a species new to me, in  
my traps. Struck across  
N. M. C. to the Gold Mountain  
road, which was reached  
in about nine miles. In  
the afternoon we drove along the  
edge of the dry lake, which  
must be ten miles long.  
Reached Thorpe's Mill about 4 P.M.  
when we found a prospector  
who had lately taken up  
all the good barney ground

in the marsh. He claimed  
that it was very rich in  
some 500 acres. The mill  
is a Huntington crusher and  
appears to have been used  
very little. A good well of  
water at the mill is about  
35 feet deep. Very high west  
wind in the afternoon, 28th.  
28th.

Very strong north wind,  
turning cold. Had some  
very red *Lipodermis* in the  
kips.

29th.

The wind began to moderate  
in the afternoon. It is  
lucky for us that we got  
into the shelter of the old  
buildings. There is a warming  
stove in the room we used



265-

30th,

Drove S. W. about eight miles  
and stopped four or five hours  
and let the horses run on  
the sand grass, of which there  
is a considerable patch, at  
4 P. M. started on and drove  
over the summit into the  
drainage of Death Valley.  
Very fine until nearly  
night, when a cold  
north wind came on, <sup>12 m</sup>

31st,

Fine morning, Drove  
down a sandy cañon  
six miles to Grapevine Spring.  
Had no idea that it was  
in this cañon, but expected  
to come out into the valley  
and turn up another  
cañon to reach it. A small  
patch of alfalfa here looks fine.

Apr 3rd

585  
17

Drove down to Grapevine  
Ranch, and in the afternoon  
went up on to the canon  
above the house, with the  
Steininger and looked  
at the springs and took  
a bath, One spring is  
just above  $100^{\circ}$ , another  
is  $96^{\circ}$ , at the latter he  
has a good bathing place.  
Much of the rock seems  
to have been built up by  
the springs, which carry  
mineral (lime?) in solu-  
tion. Shot three ducks in  
the afternoon.

4th.

Started on south at noon  
Passed springs at 3, 4, 5  
5 miles, all small ones,  
Made a dry camp at 11 miles

200  
14

5th April.

Had a very rough road  
for several miles in the  
forenoon. The track has  
fewest boulders, but it  
is bad. Got to Mesquit  
Spring about 3. P.M. It  
is fair water, but brackish.  
It is in the edge of the  
hill on the east side  
of Mesquit Valley, 14 m  
6th.

Had a visit from an  
Indian who lives out in  
the valley. He did not  
talk very good English  
but gave me a good deal  
of information about  
various springs etc.  
Quite windy in the  
afternoon.



7th April <sup>414</sup>  
42

Started on, Wind  
blew very hard and the  
air was full of sand and  
alkali. Got to the Borax  
Works at 8 P.M. 22

8th

Drove over to the ranch at  
Furnace Creek, 2 miles  
Found Mr. Dickinson &  
Coville there. They left  
for the main camp ~~at~~  
at Bennetts Wells during  
the day.

9th

Dr. Merriam, Bailey and  
Hoebel came in just at  
night.

12th

Drove to Mesquite  
Valley 20 m

756  
45

13th.

Drove to Emigrant Spring. Several miles of the road were very bad. The road, and had to drive over a bed of boulders. The longest piece of thoroughly bad road I ever drove over.

14th

Laid over.

15th

Drove to "Parognathus" Flat <sup>3 m</sup>

16th.

Had 10 small Parognathus in my traps and Mr Bailey had 13. Drove to Wild Rose Spring by noon and to the Coal Hills in the afternoon, 18 miles.

17th

501  
17

Snowed a little in squalls most of the night and the day, not amounting to an inch.

18th

Went up on the divide to see what had left tracks in the snow. Found less than we expected.

19th

Drove to Hot Spring 19 mi. None of the road was good and about three miles was outrageously bad, a bed of boulders in a wash. It seems warmer here.

20th

Shod Rebel, packed skins and got things in order generally.



501  
17518  
27

21 st.

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it of  
itins  
order

Drove over into the head  
of Borax Flat. The grade <sup>of road</sup> up  
the divide was good but so  
badly washed as to make it  
a very heavy fall for a mile,  
Cumful just over the summit.  
Killed a rattlesnake in the  
road, that Rebel nearly  
stepped on, 15 miles,  
22 mi

Drove to the water tank  
(Water Station) in the forenoon  
6 miles, No house here,  
23 mi.

Drove to Searls Garden in  
the forenoon, 6 miles, Road  
up the cañon for a mile  
was a very heavy grade  
Poor pasture here, but good  
shade under large fig trees  
for ourselves, Plenty of good water

24th

540  
7

Did not move camp,  
very windy.

25th

Drove back to the mouth of  
the canon. 2 miles.

26th

The horses wandered away  
in the night. Found them  
at the Borax Works.

27th

Drove to the Borax Works.  
The works are not running  
as the Chinese crew are  
nearly all sick with "the  
grippe".

28-29

Laid over, Found Dipor-  
domys very abundant,  
shot a long-eared fox,  
Coyotes got away with two  
traps full at the carcass  
of a horse.

Had two young foxes  
in traps. Pulled on in  
the afternoon to upper part  
of Salt Spring Cañon, 12 m

1 May

Drove to Raymond Well  
in Salt Wells Valley. Water  
is very good here, 12 m

2 May

Laid over,

3 May

Drove about 6 miles and  
made a dry camp

4 May

Drove to the Indian Well  
at noon. This is where the  
drivers and horses change  
on the stage line. Made  
a dry camp 18 m north  
along the stage road, 18 m  
Hahn in Graevius Creek across the road



5 May

597  
22

Drove to Little Owen  
Lake, or Little Lake as it  
is known locally, 10 am  
6 May

Packed Tammie and took  
Ritch back to Hot  
Springs Valley. It is 12 mi.  
by the road but I tried to  
make a cut off by trail  
and got an hour's ride out  
of my way. These springs  
lie on a slope from the  
granite mts. on the west side  
of the valley. Across the valley  
on the east side is a big low  
lava mesa. Bits of obsidian  
are strewn all over the country.  
There is not much water  
in the springs, and scarcely  
any runs out. In several  
the water is boiling and

597  
22

619  
12

steam escapes from many  
cracks. The ground is bare  
for some distance. In some  
places around the springs the  
ground is brick red. Sulphur  
in small quantities is deposit-  
ed at the edges of some of the  
steaming cracks. Some holes  
are full of mud and the  
steam raises it and it  
thrusts like some one stamp-  
ing. Steam rises all around.  
Some of the holes contain  
red water some yellow. In  
one place the water seeps  
through gravel, and is cool  
enough to drink. I had to  
use it but it is not good.  
A band of cattle running  
here seem to thrive. The  
sandy grass is eaten close.

12 May,

1931  
16

16m

Drove to Haver Valley

This is a natural grass meadow formed by a descent in the old river channel that once drained Owen Lake. Mr Bellows has 9,000 graded Angora goats here and at Rose Spring, 4 miles below. Sheep still continue swarming along the road. Probably an average of 10,000 a day have passed us since we got on the stage road. The feed is all eaten for a wide strip each side of the road. This is the annual spring migration of sheep to the desert, in the fall they go back to the Indian country via Walker Pass. All the sheep were an ~~For~~ French,



147  
9

17 May

Drove to Cloncha (9 mi) thru 15th  
and camped at Gus Walters  
ranch, putting the horses in  
his corral. Day 28° per day  
for horse. This is a pleasant  
camp. Water in ditch from  
Cloncha Mt. An alfalfa field  
across the road. Cottonwood  
and willow trees planted  
around the corral. They  
have plenty of water then  
and raise horses and cattle  
feeding hay in winter. Land  
seems to be cheap and not  
in demand. The want of a  
market keeps the country back.  
The narrow gauge R. R. that  
runs in Kolor charges 3¢ per  
pound for freight from S. F.  
It runs thru twice a week  
each way.

20 May

656  
5

Slight rain yesterday,  
and high wind today

23 May

Started for a trip to Timber  
line. Got off at 8-30 and as  
I got to the mouth of the  
canyon of an unnamed creek,  
which I have called Monche  
Creek to distinguish it from the  
rain commenced falling. I  
had made but five miles, but  
I unpacked and stopped to the  
next morning, intending if the  
weather did not get favorable  
to give up the trip. A small  
tree probably a birch grows thickly  
along the stream. It is new  
to me. Saw a Tamias and  
Aphelocoma and Leynonia  
were plenty. Could hear  
Mountain Quail also,



The morning proved fair and I went on. It was about four miles to the summit and a couple of miles were very hard climbing. Summit Meadow was very backward, just showing green. Three miles further and some 500 feet lower are Tarnack Meadows, where the grass was better, and the horses could get a short bite. These meadows are quite extensive, 2 to 4 miles wide to the back ends of the deep bays and some 10 to 15 miles long. Around Summit Meadow the snow was yet deep on the south exposures, but in Tarnack Meadows very few drifts were left.



26 May,

672-5

Rode up to the springs at the head of the stream coming from Glacier Park, and ~~started~~ tied them on pretty good grass, at about 9500 alt. For another 500 feet there was little snow but the remainder of the way it was deep and hard. Found the climb not very difficult. Several species of birds were rather common to timber line, and ~~one~~ I saw three Leucosticte? above timber line, a little Tamias that is probably new was plenty to above timber line, but a little shy and when shot they fell in the rocks where I could not always get them,

The day was cloudy but the clouds were high. They touched the top of the Mt. Whitney group but none others. From Mt. Whitney a magnificent semicircle of peaks deeply covered with snow extends westward, around the end of a large basin some  $15 \times 25$  miles I should think, which lay between Clameter Peak and them. Many of these peaks were exceedingly sharp, and probably not practicable to climb. Many ~~and~~ must go above 14,000 ft. alt. and there is scarcely a place in the chain for 20 miles that drops below timber line. The basin must be from 8,000 to 9,000.



27 May

675  
21

Got back to Olancha about  
4 P. M.

29 May

Drove to Ash Creek, 9 miles  
A good camp. Stay at  
Lamais at \$10 a ton,

30 May

Very high cold wind from  
the north. Ther, 5-4 at morning  
Snow whitened the ~~drift~~  
Sage Mts. nearly to their  
bases.

2 June,

Some rain yesterday and  
more this morning. The Sage  
Mts are very white with fresh  
snow down to about 8000  
and a little has fallen on  
the high Sierras also.



675  
21

696  
66

3 June

bout

Drove to Cartago, 7

4 June

Drove to Olancho, 2

miles

at

5 June

from

morning

Drove to the end of the wagon road and beginning of trail to Managua Meadows, and camped. 5 miles,

9 June

Drove back to Olancho

17 June

and

days

rest

to

in

Drove into Low Pin yesterday. This is quite a settlement. Water seems to be plenty and soil pretty good. Mr. Nelson and I are ordered to work out the Owen Valley and White Mountains,

18 June

Drove to Independence, 16 miles and up the creek to camp. 6 miles

22 June,

76 2  
10

Went up Dryden Creek  
Creek to its head. Passed  
the Rex Monte 10 stamp mill  
at one mile from Dryden, the  
Kearearge 10 stamp mill  
at 2 miles. Both were run by  
water power, the latter being  
well equipped with machinery.  
The mines amounted  
to nothing, however. Five  
miles further was an old 4 stamp  
mill. The site of the old  
mining camp of Kearearge  
City was about 3 miles from  
Dryden, not a roof left in it  
now. 1/2 mile further is  
Union Valley, of some 40  
acres. The snow came  
down to the edges in many  
places, and the south fork  
ran down a steep hill



into it, in many places  
passing through a snow  
tunnel. On the north fork  
was a fine waterfall.  
I went up the middle  
fork. The trail to Fisalia  
leads on the north side of  
the middle fork. - on this  
fork is a chain of four  
little glacial lakes. The  
upper one was yet solidly  
frozen over, and covered  
with snow, save that a  
band of pale blue ice  
showed around the edges.  
This was some 500 feet  
below the summit of  
the pass, which was about  
timber line, so the lake  
was about 11,000 alt.  
It has no outlet, so I was



172  
old afterwards, I thought  
it will not rise enough  
to flow over the ridge at  
its foot. Probably this  
ridge is a terminal  
moraine of boulders and  
the water passes through  
it. It was all deeply  
covered with snow.

The next two lakes had  
some clear water and the  
lower was nearly clear  
of ice. Big perpendicular  
granite cliffs surround  
these lakes on most sides.  
In the lakes at their feet  
Pinus murrayana grows.  
In the Onion Valley is some  
grass. I got a Lagomys just  
above the valley, and saw  
another at its lower edge.  
Saw several wood chucks,  
one as low as 8000 alt.

From Independence to the  
summit of the peak is about  
12 miles. I was sorry I did  
not take my camera along  
but the snow was still too  
deep for good views. There  
appear to be lateral moraines  
on one or both sides of the  
conifer to its summit.

25 June.

Came in to Independence  
yesterday and got the  
horses shod and wagon  
trails set, and drove out  
six miles. Today we  
came to Big Pine and  
to the bridge near Alvord  
and camped.



29 June

808

40

80

Drove to within a mile  
of Bishop and camped by  
the road. Walked into Bishop  
in the afternoon, 17m

July 1st.

Drove to the old Fish  
Slough stage station. No  
one living seen now. Fair  
shade, good spring water  
and plenty of coarse grass.  
There are plenty of fish in  
the sloughs, some of which  
would weigh up to a  
half pound, 10 min.

3 July

Drove to the creek below  
Mrs. Monroe 14m

4 July

Drove to Mrs. Monroes 2m



08

40

851

17

8 July

Drove to Benton 6 mi

This is an old mining  
camp, and partly deserted  
now. There is one good stone  
mill running here now but  
one firm is working 30 or 20  
men in mines near.

There is a hot spring at  
the town that furnishes  
a good supply of good  
water. It is said to be  
1340°

10 July

Drove to the Linn Station  
11 miles. We are at the  
section house now as we  
moved in. Found a  
new *Spermophile* common  
Weather cool

12 July

868  
95

Drove to the Indian  
Lumber Mill, 5 miles.

This mill has been idle  
for years apparently.

It is about 7400 alt,  
and in the lower edge  
of the firn belt.

13 July

Camped half a mile below  
the Indian Lumber Mill  
alt about 9300, 4m

16 July

Drove to Benton Station 15m

17 July

Drove into Benton, 2m  
Mr. Fruston then Mr. Nelson  
came in in the afternoon

19 July

Drove out on the road to  
Mammoth about 9 miles

Lizzie stays in Benton  
till very late

868  
35905  
30

20 July

Drove to the Casa Diablo  
Spring 18 miles. This is  
a good sized warm spring  
at the edge of a volcanic  
hill in Long Valley alt  
7500. There are patches  
of snow  $\frac{3}{4}$  of the way to the  
foot of the Sierras. The  
streams are getting lower  
and we had no difficulty  
in crossing Owen River.

21 July

Drove to a mile above the  
summit and a mile below  
"Mammoth City", an abandoned  
mining camp. Camped in  
large fir and pine along  
the Owen River. A good camp  
very warm. Good trout fishing  
and good collecting. 12 mi



24 July

933

3

Rode up to where the Indian  
hunter had killed a deer,  
a mile or so above Pine  
City. And in the afternoon  
moved camp to the upper  
end of Pine City on the  
banks of Lake Mary.  
From the ruins of old cabins  
there must have been quite  
a place here once, now there  
are three or four men doing  
assessments work. There are  
several small lakes  
of glacial origin. There  
is a rim of high cliffs  
around the old glacial  
basin, and large fields  
of snow lie in their shade.  
In the west there is a  
break in the rim which  
makes Mammoth Pass;

933  
3936  
3

27 July

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Accompanied Mr. Nelson  
and his party to the  
Upper San Joaquin River,  
near the basaltic cliffs.  
Passed the north end of  
Lake Mary and another  
lake called by the miners  
"Dry" Lake because it  
does not overflow, but  
which I call Moraine Lake  
to accompany the photos  
of the pack train which I  
made on its bank. To the  
summit of Mammoth Pass  
was about ten miles and  
thence down to the camp  
at the basalt cliffs was  
about four more. The  
trail was good but the  
grade was rather steep.  
The entire mountain



side was a large forest  
 of pine, with some another  
 species after leaving the  
Pinnus albicollis? at the  
 summit until on the  
 river ~~bottom~~ valley P. ponderosa  
 came in. Near the river are  
 two very fine basalt cliffs  
 of peculiar formation. A  
 rain swelled the streams  
 in the afternoon.

28 July

Photographed and hunted  
 around camp, having  
 good success,

29 July

Rode back to Pine City

30 July

Drove back about half  
 way to Benton and  
 camped at a spring on the old road



936  
22

958  
27

31 July

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city

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old and

Got into Benton about  
6 P.M. Developed 21 negatives

1 Aug.

Packed steamer in the fore-  
noon and at 4 P.M.  
started for Bishop Creek  
Camped at Yellow Jacket  
Spring, 7 am.

2 Aug.

Camped between Fish Slough  
and Owen River. 21 am

3 Aug.

Drove to Bishop Creek, 18 m.  
The last five miles was a  
bad road: deep sand, crawl  
up hill, sometimes rocky,

4 Aug.

Moved up to the meadow  
(a mile) in the morning.  
Good grass and water but  
poor shade, but the weather is cool

5 Aug.

1025

410

Packed Fannie and with  
Rebel, to the Lake, 8 am,  
and camped <sup>at</sup> the log cabin  
at the lake. Saw some  
deer tracks on the way.  
Shot a Lagomys in the  
afternoon.

6 Aug.

Went down to the meadow  
in the afternoon.

11 Aug.

Drove to 6 miles north of  
Big Pine, 24 m

12 Aug.

Drove to 6 miles below  
Alvord, 10 m

13 Aug.

Storm in the night,  
Had no Dipodomys deserti  
though some had passed  
over the traps. Drove on



1025-  
40

1065-  
20

about three miles and  
compelled to try it again  
14 aug

Had two D. deserti in  
the traps, I dug one out  
besides but it got away.  
It tried to dig away from  
me and throw the dirt  
behind itself so that but  
for the ground being a  
little softer I would have  
thought that the burrow  
was ended. It finally  
jumped out and got off.  
The burrow was a net-  
work of holes. There was a  
nest of soft grass.

Drove to the bridge east of  
Independence, 20 mi  
Poor woods on the east  
side of the river.



15 Aug

1085  
38

Got the horses shod in the morning at Independence, Drove to Lone Pine in the afternoon, Found Mr. Datchman there, and got some news of the whereabouts of the remainder of the party, <sup>16 mi</sup>

16 Aug

Drove through Kuba to Tule, Spring, 5 miles further south, Found Messrs. Siskeman and Bartlett at Kuba, <sup>20 mi</sup>

17 Aug

Drove to Clanche, <sup>15 mi</sup>

19 Aug

Packed the horses with three weeks supplies etc, and, walking myself, went up to Mesquite Meadows, <sup>15 mi</sup>

1085  
38

1123

20 Aug,

Heavy white frost in the morning. Left cold. Went on to a little meadow at 9000 alt on the west side of Clam Lake Peak 5 mi

22 Aug

Went up on Clam Lake Peak. Found most of the snow gone. I thought I heard one note of Lagomys near the summit. Leucosticte were plenty above timber line and also a few Junco and Spizella socialis and Salpinctes obsoletus. The little Tamias was common close to the summit. Saw a pair of Dendragapus and brood of newly grown young just below timber line. Shot the ♂. He had been feeding on leaves and blossoms of pines.

24 Aug,

1123

Went north about 10 miles  
and camped, storm in the  
afternoon.

25 Aug

In the forenoon went to the  
head of ~~Trail~~ Mulkey Meadows <sup>6 mi</sup>  
and in the afternoon rode  
over to Dutcher's camp.  
Found Dr. Fisher there, came  
back to camp at night.

26 Aug

Moved camp two miles  
down to Moffat's camp.

28 Aug

Went over to Whitney Meadows  
Found Paton, Nelson and  
Bailey there. 10 mi

29 Aug,

Went over to Rock Creek



11/23

1/23

10 Aug.

Shot three Lagomys in  
the afternoon, Palmer,  
Bailey and Dutcher came  
in in the afternoon.

31 Aug

Started to find Int Whiting  
The others got off first and  
I followed their trail all  
day, losing it just at night.  
Went over very rough country.  
The others evidently were at a  
loss to know where to look.  
Camped a little below timber  
line on the extreme north  
branch of Kern River.

1 Sept.

Waited until noon but the  
others did not turn up, so I  
turned back, going to Rock  
Creek and camping. Saw  
nothing of the others' trails.

2 Sept.

1/20

Passed through Whitney  
Meadows in the afternoon,  
No one at Palmers camp  
and the tent still up,  
Saw another party that  
had turned back, unable  
to find Mt. Whitney, In  
crossing Whitney Creek I  
slipped on a boulder and  
fell flat in the creek, getting  
a thorough wetting.

3 Sept.

Caught 15 trout before breakfast.  
They are small, not averaging  
much more than an ounce  
in weight. Got to Minner  
Meadows.

4 Sept.

Got to Olanchu about 4 P.M.  
thoroughly tired, Every body  
was well.



1123  
144

6 Sept

Started on the homeward  
journey in the afternoon,  
drove to Hawes Meadows gm

7 Sept,

Lunched at Little Lake, camped  
for the night opposite Sand Creek

8 Sept,

27 m

Camped midway between Coyote  
Holes and Red Rock,

26 m

9 Sept.

Got to "6 mile Station", Fair road  
most of the day,

32 m

10 Sept

Reached Mojave in the forenoon.  
Left the collecting chest here  
at Wilsons store, camped about  
three miles south of Rosamond

24 m

11 Sept,

Passed Lancaster in the forenoon,  
camped at a spring west of  
Little Rock Creek,

20 m



12 Sept,

1264

51

Lunched at Big Rock Creek  
and camped at Muscal? Creek.  
There is 10 or more inches of water  
here, a mile or more outside  
the mouth of the canon. No  
one seems to have appropriated  
the water, the first seen today  
when no one had commenced  
improvements.

22 m

(The water is appropriated.)

13 Sept

Drove to La Blume's near  
the mouth of Sheep Creek,  
Laid over there most of  
the day.

8 m

14 Sept.

Drove to Browns Crossing  
of the Mojave River 21 m

15 Sept.

Windy and cold with a  
light shower in the

1264  
51

1315

afternoon, Drove up to  
the Upper Crossing and  
finding nothing to stop  
for went on about two  
miles up the wash, then

16 Sept.

Drove to just below the  
"Glen Helen Farm", The old  
Martin Station, 26 mi

17 Sept

Drove to San Bernardino 12 mi

18 Sept

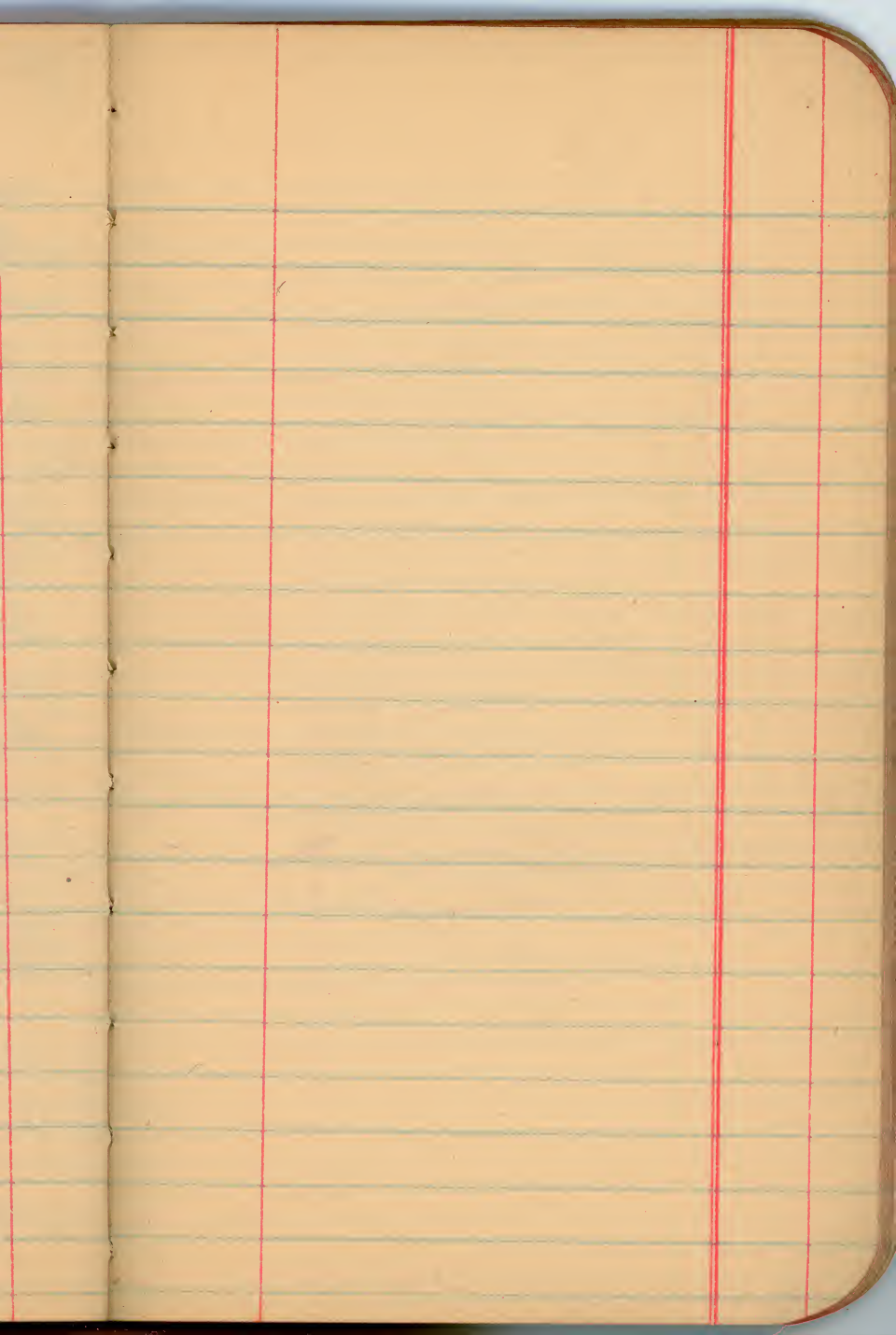
Drove to Riverside 10 mi

21 Sept

Drove to Beck's Canyon 8 mi

*The following 22  
pages are blank.*





Data etc wanted

Data of Tamias 729

Is there a skull for Lepus, 639

Is there a skin for " 470

" " " " Mephitis 678

Send Frederick Jamison

Carlyle, Allen Co, Kas,

a double set of 12 Photos

from the Mammoth region = 24

E W Nelson also wants one set,

From type locality

2 or 3 Jack rabbits near  
Mojave S.C.

Spermophilus mojavensis

Dipodomys deserti

Hesperomys desertioides <sup>new</sup>

Perognathus gallax

Tamias lucurus

Sialia undata

Thomomys pusillus

Mojave River Rhyacionia <sup>new</sup>

Crotalus cerastes (Sistruncus)

Uta stansburiana (skink)

Chionactis occidentalis (a snake?)

Length 9 in. White above in al-  
coholics. (red in life?) 34 black

bands, 6 complete black tail bands



10 cyclone,  
12 ① runhouse  
1 2 "  
1 B.V.  
1 Delusion  
1 wire "  
5 Climax

2 cyclone  
4 "  
1 ① steel,  
2 1 "  
12 cyclone  
36 "  
4 1 steel  
1 ① "  
12 1 steel  
36 cyclone  
12 Climax

Zonotrichia leucophrys

Chelidon

Trochilus

Spinus

Spizella breweri

Carpodacus

Salpinctes

Dendroica aestiva

D. auduboni Ver.

Phalaenoptilus

Sayornis sayi

Agelaius

Zamelodia

Melospiza

Pipilo chlorurus

Mimus

Back birds

16	
24	
76	
104	
190	

# Horse Expenses

San Bernardino Feb 3rd		
Stable bill	—	2 00
1 sack grain	—	1 40
Bayon Pass, 4th		
Hay	—	50
Victor 5th		
Hay	—	50
Daggett 8th		
Stable bill	—	3 00
1 sack grain		2 00
Hawleys 9th		
Hay		50
Bordex 4th 13th Feb,		
Hay		50
Clunche	Hay	5 00
Adams	"	2 50
Morons	"	2 50



1

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